



REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE

- Notes:
- 1 - The 24V coming from pins s and t, is used for the flowmeters.
 - 2 - Monitors the pressure of the hydrogen gas recovered from the water system, and operates a venting valve. The valve is opened when the pressure reaches 15 PSIG and is closed at 9 PSIG. The Green LED is illuminated up to 13 PSIG and the yellow LED is illuminated above 11 PSIG.

ITEM NO.	PART NO.	DESCRIPTION OR SIZE	QTY. REQ.
	F3, 4	0.6A / 500V, FNG	2
	PS1	24V / 2.5A, LAMBDA # DT60PW240P	1
	T1	Control Transformer, 250VA	1

PARTS LIST			
UNLESS OTHERWISE SPECIFIED		ORIGINATOR	W. CARL
FRACTIONS		DRAWN	B. WISNER
DECIMALS		CHECKED	
ANGLES		APPROVED	
+/-		USED ON	
1. BREAK ALL SHARP EDGES 1/64 MAX.			
2. DO NOT SCALE DRAWING			
3. DIMENSIONING IN ACCORD WITH ANSI Y14.5 STD'S			
MAX. ALL MACHINED SURFACES		MATERIAL	


FERMI NATIONAL ACCELERATOR LABORATORY
 UNITED STATES DEPARTMENT OF ENERGY

AP-0 PULSED MAGNET WATER SYSTEM SCHEMATIC

SCALE	FILMED	DRAWING NUMBER	REV.

- J1
- D:PMWP5, PM WTR PUMP INLET PRESS → A
- D:PMWP5, PM WTR PUMP INLET PRESS → B
- +15 V (FROM CONN PATCH PANEL) → D
- COMMON FOR +15 V (FROM CONN PATCH PANEL) → E
- D:PMWP1, PMAG WTR SUPPLY PRESSURE → G
- D:PMWP1, PMAG WTR SUPPLY PRESSURE → H
- +15 V (FROM CONN PATCH PANEL) → K
- COMMON FOR +15 V (FROM CONN PATCH PANEL) → L
- D:PMWP2, PMAG FILTER OUTLET PRESSURE → N
- D:PMWP2, PMAG FILTER OUTLET PRESSURE → P
- +15 V (FROM CONN PATCH PANEL) → S
- COMMON FOR +15 V (FROM CONN PATCH PANEL) → T
- D:PMTc7, PMAG-COL-TAR SUPPLY TEMP → V
- D:PMTc7, PMAG-COL-TAR SUPPLY TEMP → W
- D:PMTc8, PMAG WTR RETURN TEMP → Y
- D:PMTc8, PMAG WTR RETURN TEMP → Z
- D:PMWM3, PMAG COLLIMATOR WATER RETURN FLOW → b
- D:BSA700, COLL LENS 24V PS (PREVIOUS=BEAM STOP 700 AIR PRESSURE) → c
- D:BSA700, COLL LENS 24V PS (PREVIOUS=BEAM STOP 700 AIR PRESSURE) → e
- D:PMWM1, PMAG WTR RETURN FLOW → f
- D:PMWM2, PMAG FILTER / BYPASS FLOW → h
- D:PMWM2, PMAG FILTER / BYPASS FLOW → i
- D:PMTc9, TARGET WATER RETURN TEMP → k
- D:PMTc9, TARGET WATER RETURN TEMP → m
- +24 V (FROM CONN PATCH PANEL) → p
- COMMON FOR +24 V (FROM CONN PATCH PANEL) → q
- D:PMTc10, PMAG COL WTR RETURN TEMP → s
- D:PMTc10, PMAG COL WTR RETURN TEMP → t
- D:PMTc10, PMAG COL WTR RETURN TEMP → v
- D:PMTc10, PMAG COL WTR RETURN TEMP → w
- D:PMTc10, PMAG COL WTR RETURN TEMP → y
- D:PMTc10, PMAG COL WTR RETURN TEMP → z